

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

Entitled : A TAPPING CIRCUIT INCLUDING A TAPPING VALVE
FOR REPLENISHING AND/OR FLUSHING THE CASING
OF A HYDRAULIC MOTOR

Inventors : Louis BIGO
Jean-Claude CASE
Jacques FONTAINE
Jean-Pierre LEBRUN
Gilles LEMAIRE
Gilbert MAHE
Alain MANGANO
Jean-Noël POGNEAU
Jean-Philippe RAISIN
Vincent SIQUIER
Patrick WASIELEWSKI

Assignee : POCLAIN HYDRAULICS INDUSTRIE

ABSTRACT OF THE DISCLOSURE

The tapping circuit forms part of a main fluid circuit which comprises a hydraulic motor having a preferred operating direction and at least two main pipes suitable for communicating with the cylinder block of the motor and constituting respectively, in said preferred operating direction, a feed main pipe and a discharge main pipe. The tapping circuit comprises a single tapping and removal valve connected continuously via a tapping pipe to that one of said main pipes which, in the preferred direction, serves for discharge purposes. This valve serves to replenish the fluid so as to cool it and/or to flush the internal space of the casing of the motor.